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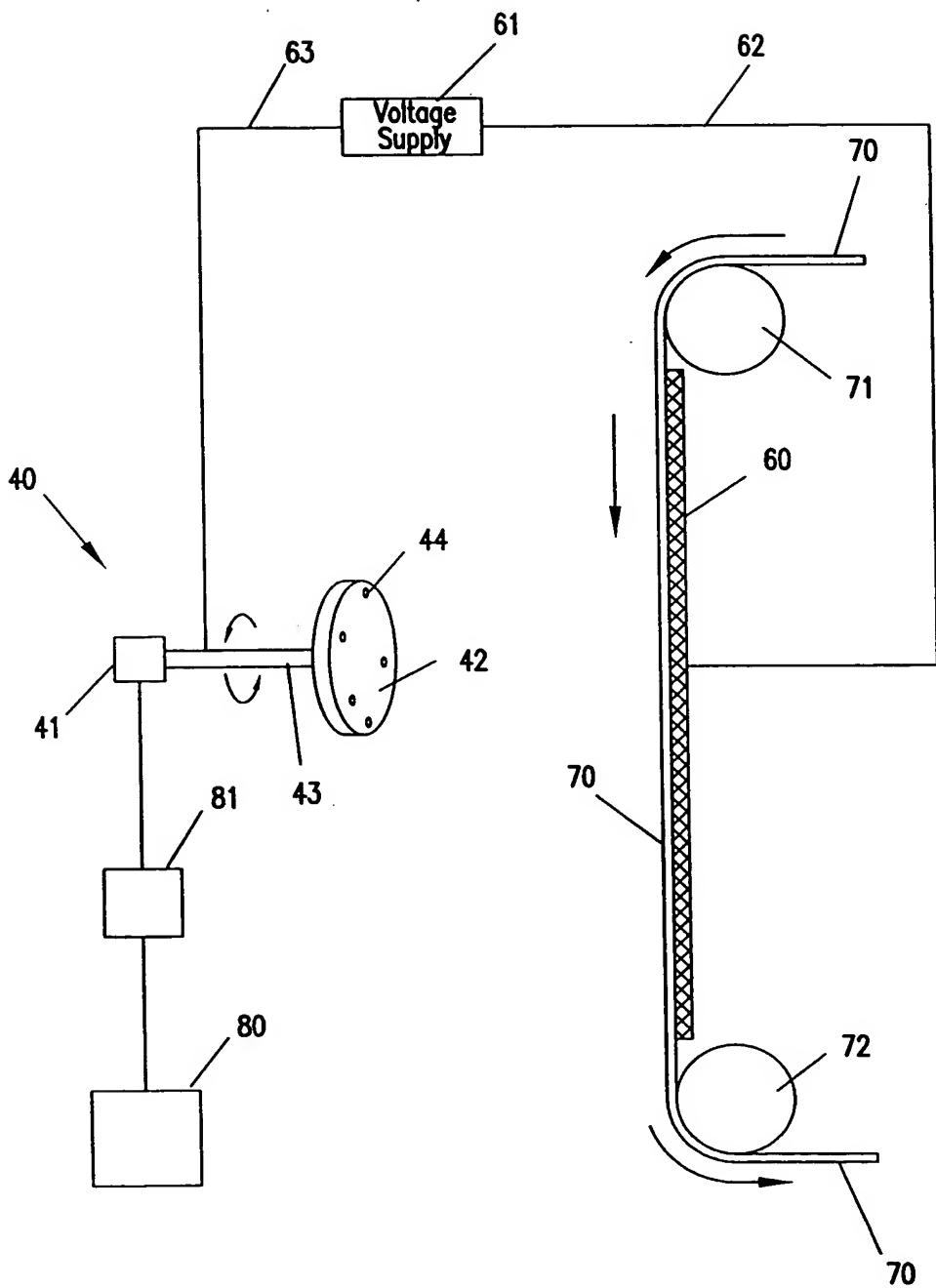
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FIG. 1



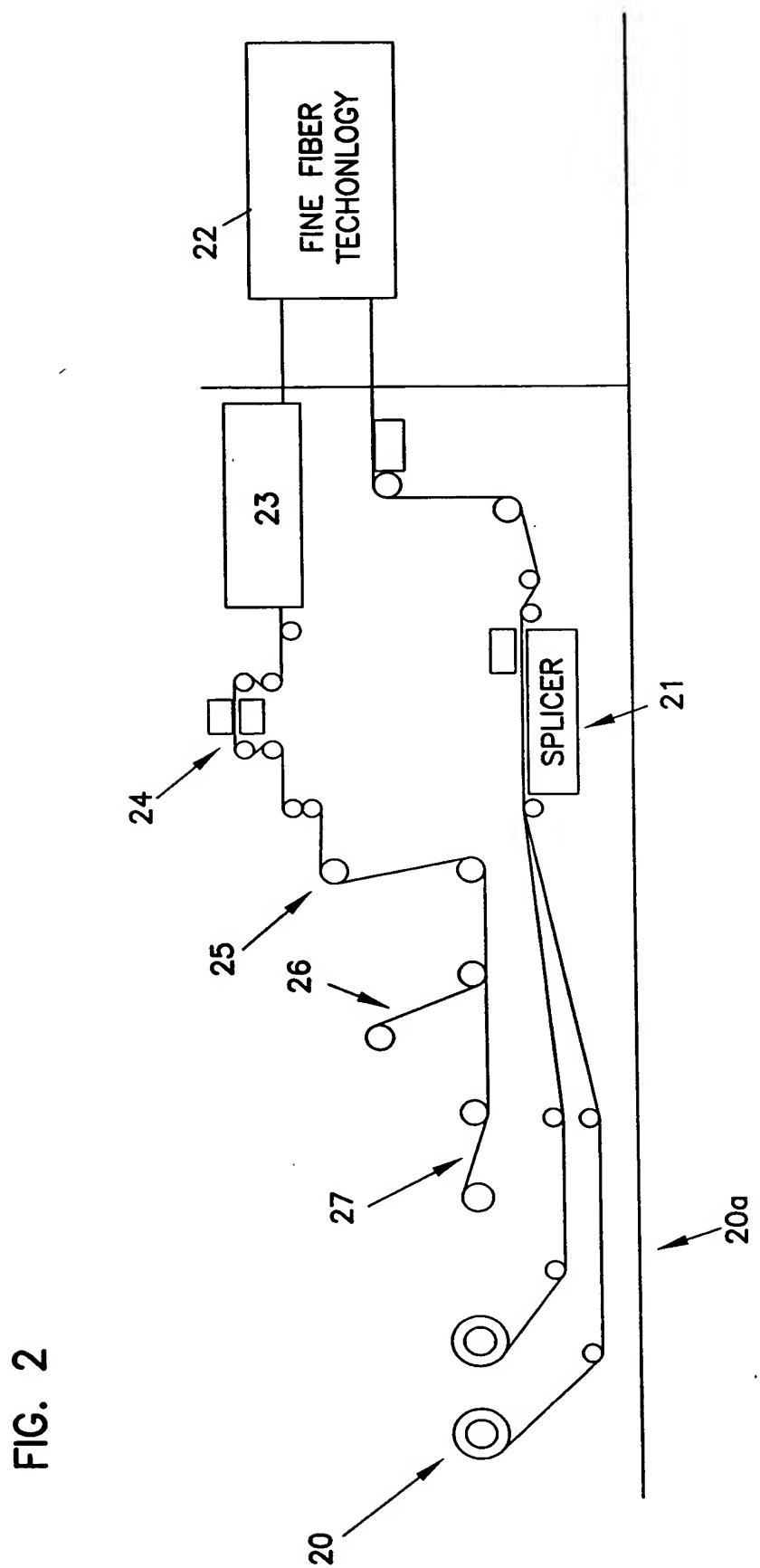


FIG. 2

FIG. 3A

Cellulose Media

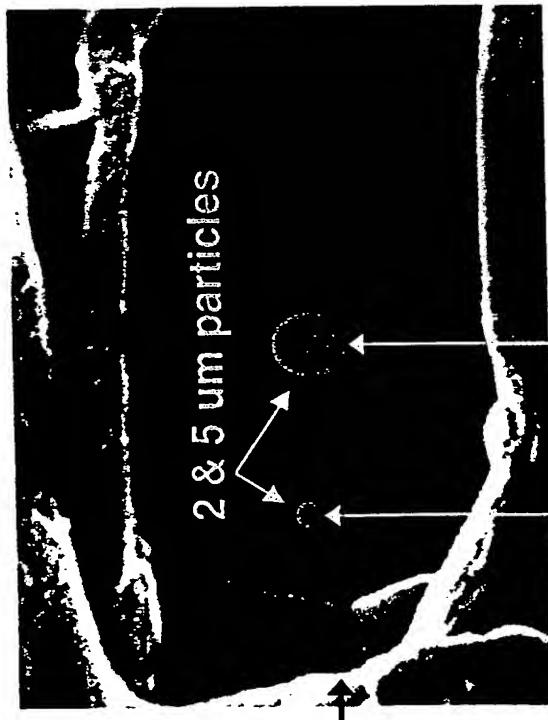
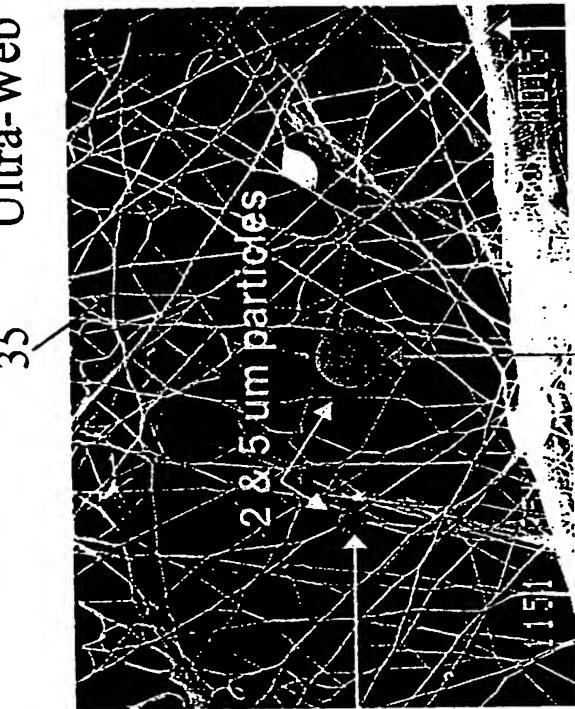


FIG. 3B

Ultra-Web



2,000 X Scanning Electron Microscope Images

33  
32  
31  
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33

FIG. 4 ESCA 01s SPECTRA FOR SAMPLE 6A AS SPAN

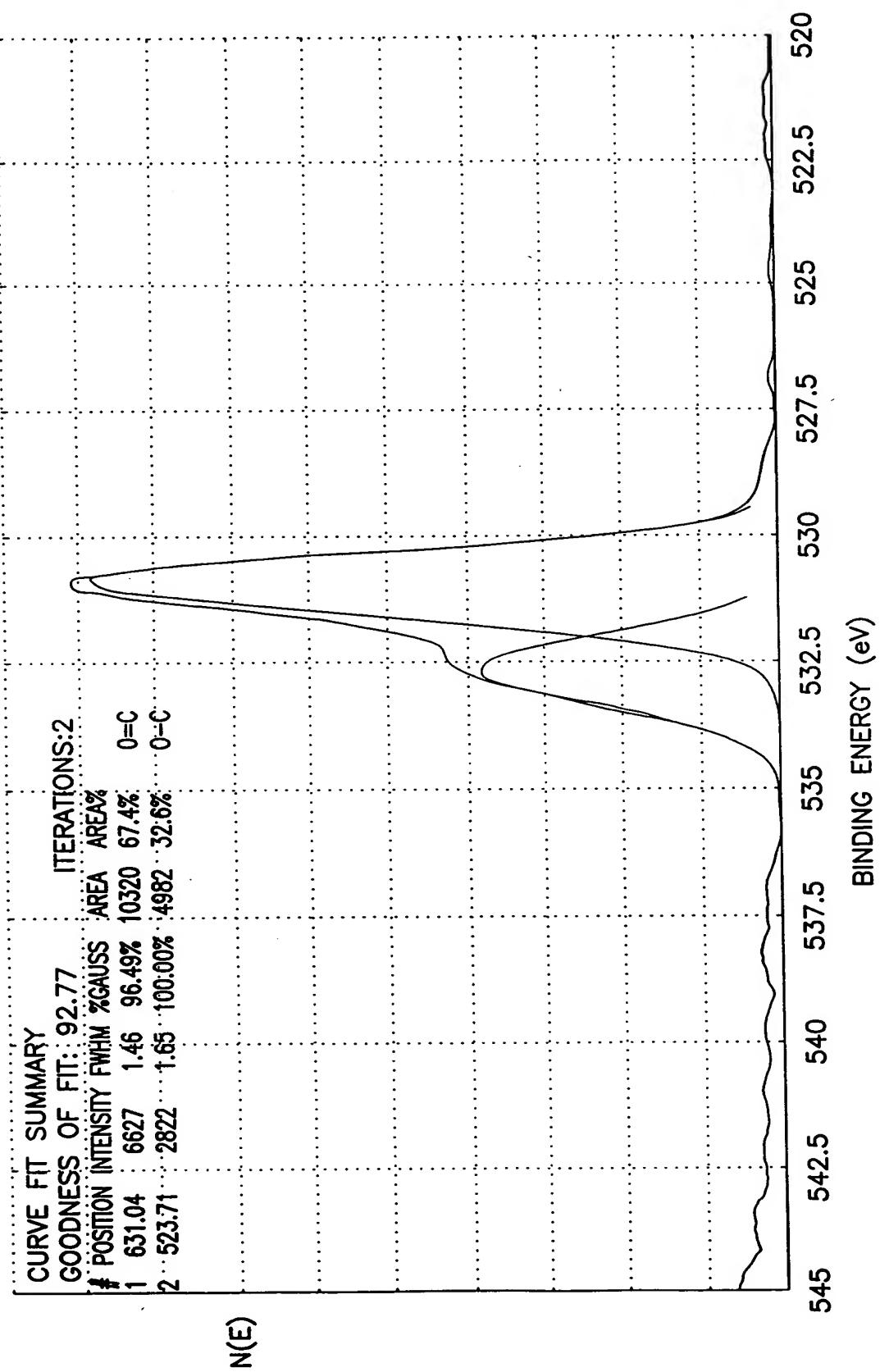


FIG. 5 ESCA 01s SPECTRA FOR HEAT-TREATED SAMPLE 6A

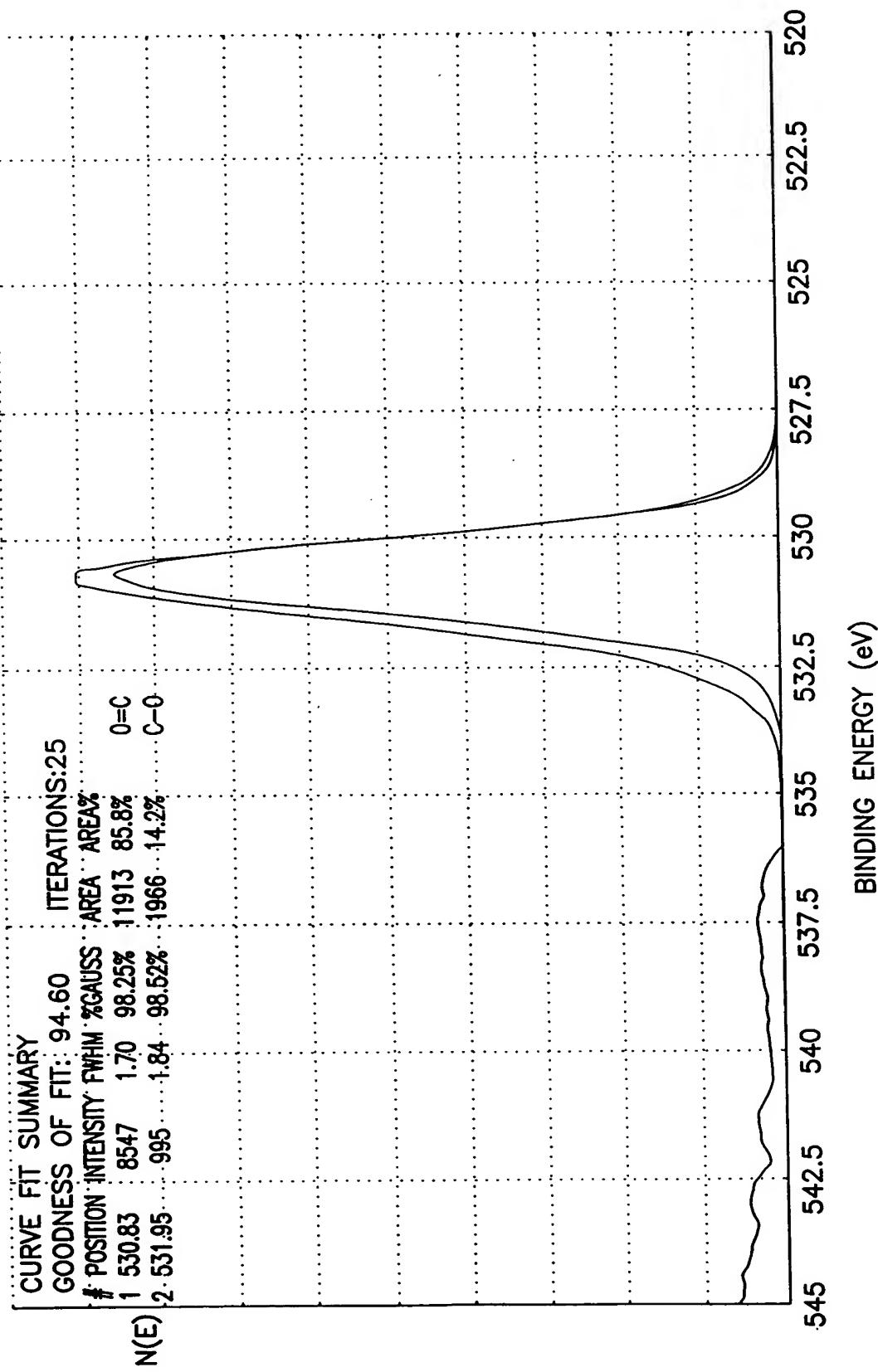


FIG. 6 ESCA 01s SPECTRA FOR AS-SPAN EXAMPLE 6B

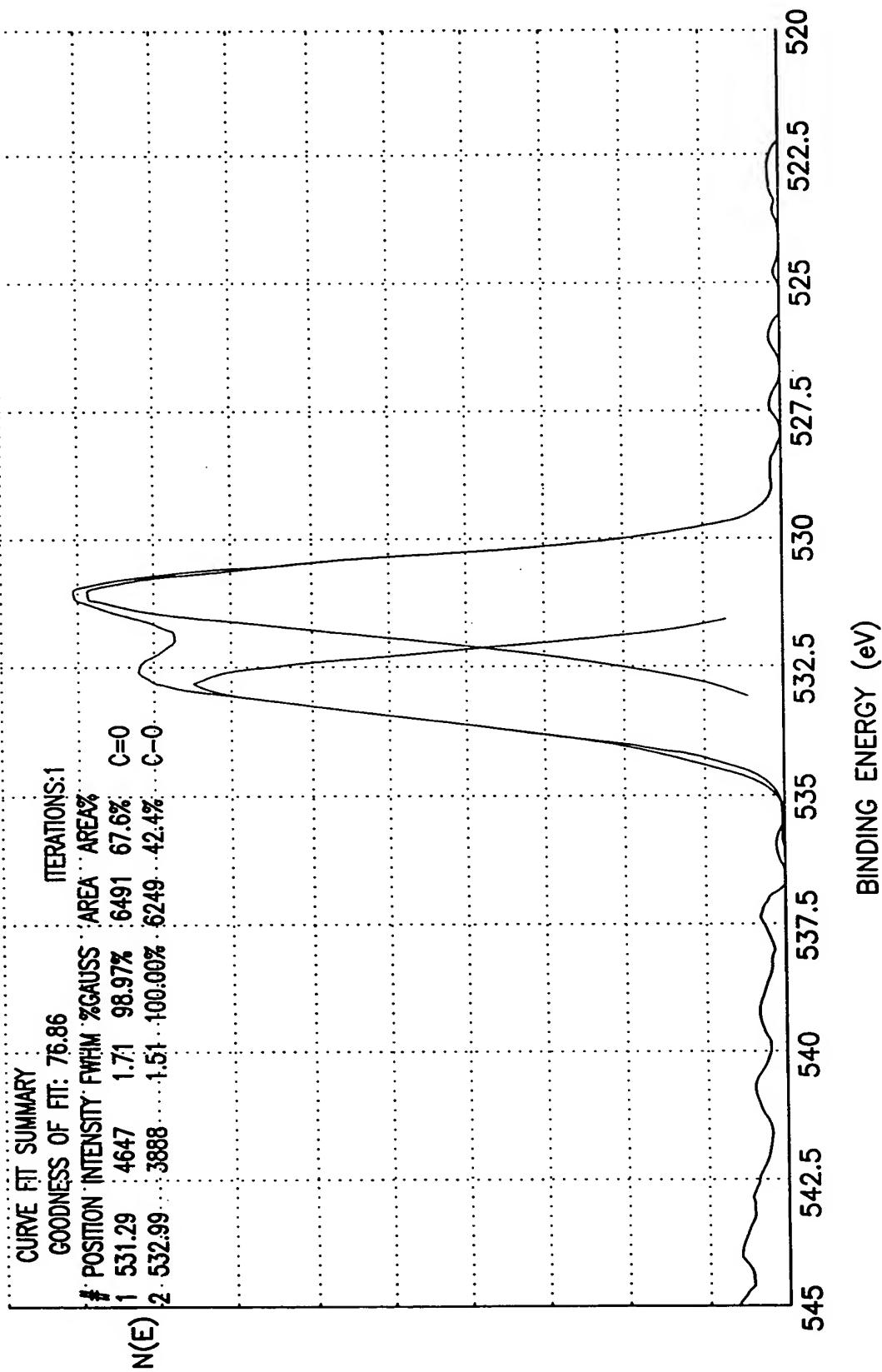


FIG. 7 ESCA 01s SPECTRA FOR HEAT-TREATED EXAMPLE 6B

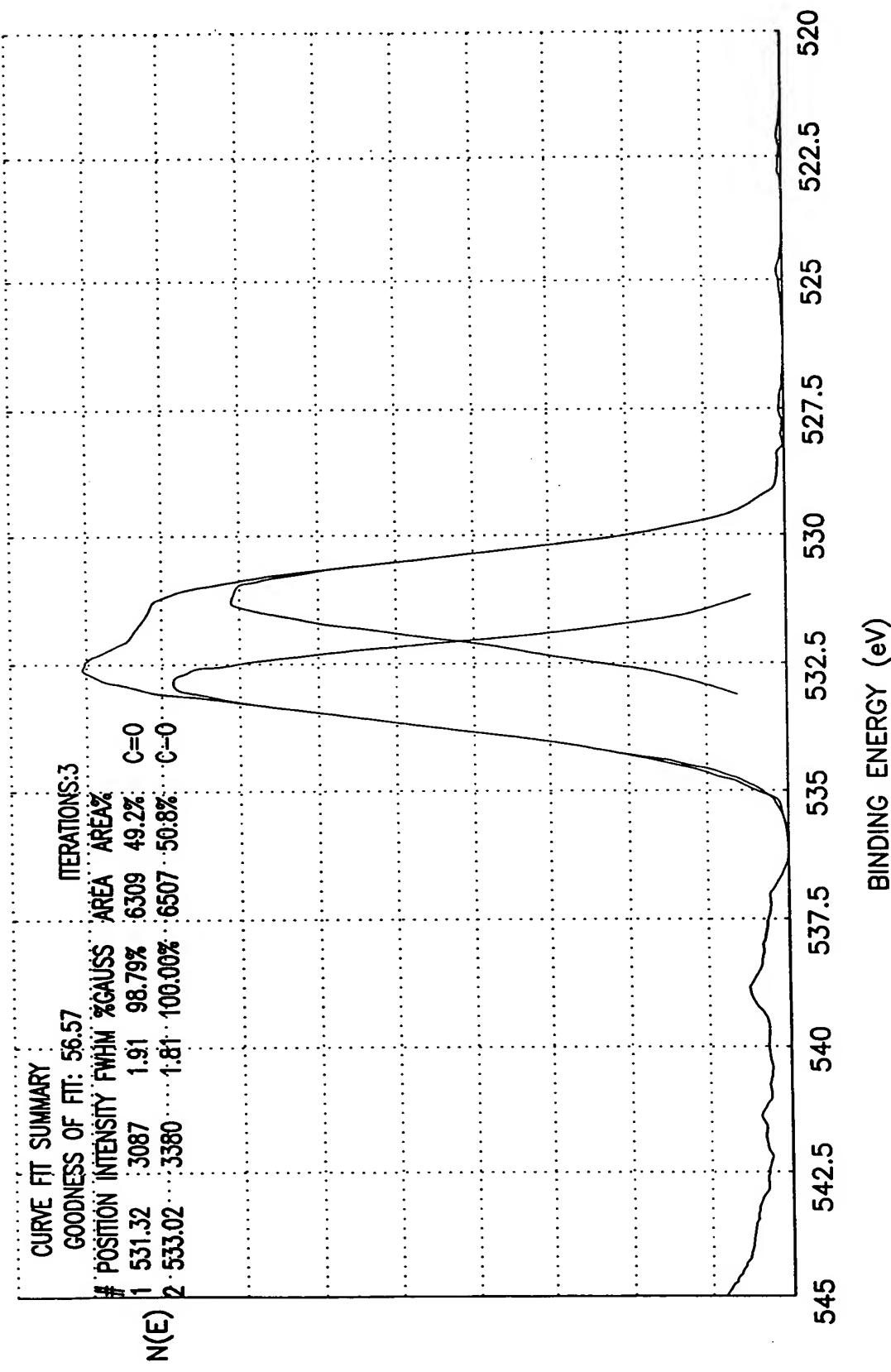


FIG. 8

ESCA 01s MULTIPLEX FOR AS-SPUN SAMPLE 6A

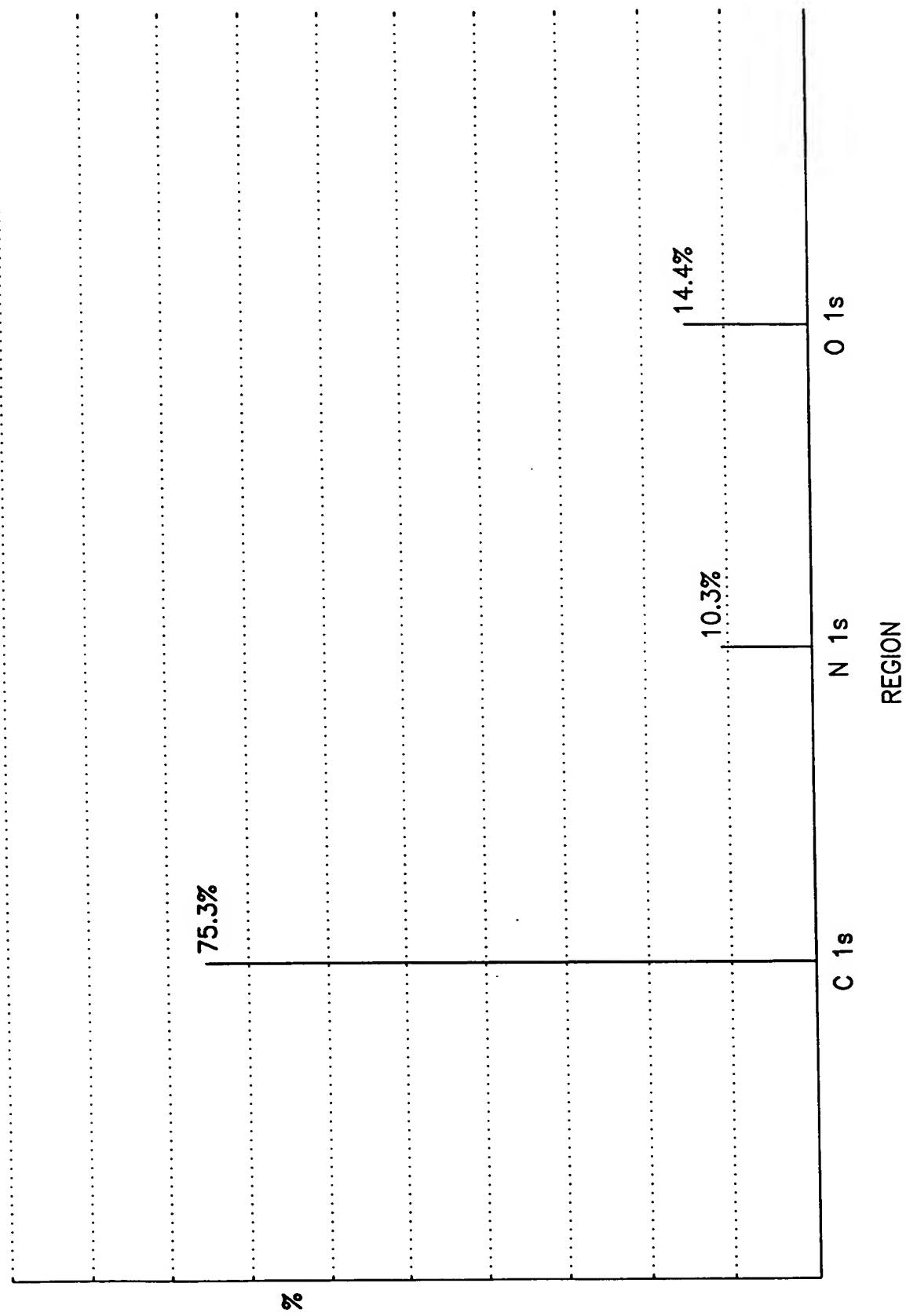


FIG. 9 ESCA 01s MULTIPLEX FOR HEAT TREATED SAMPLE 6A

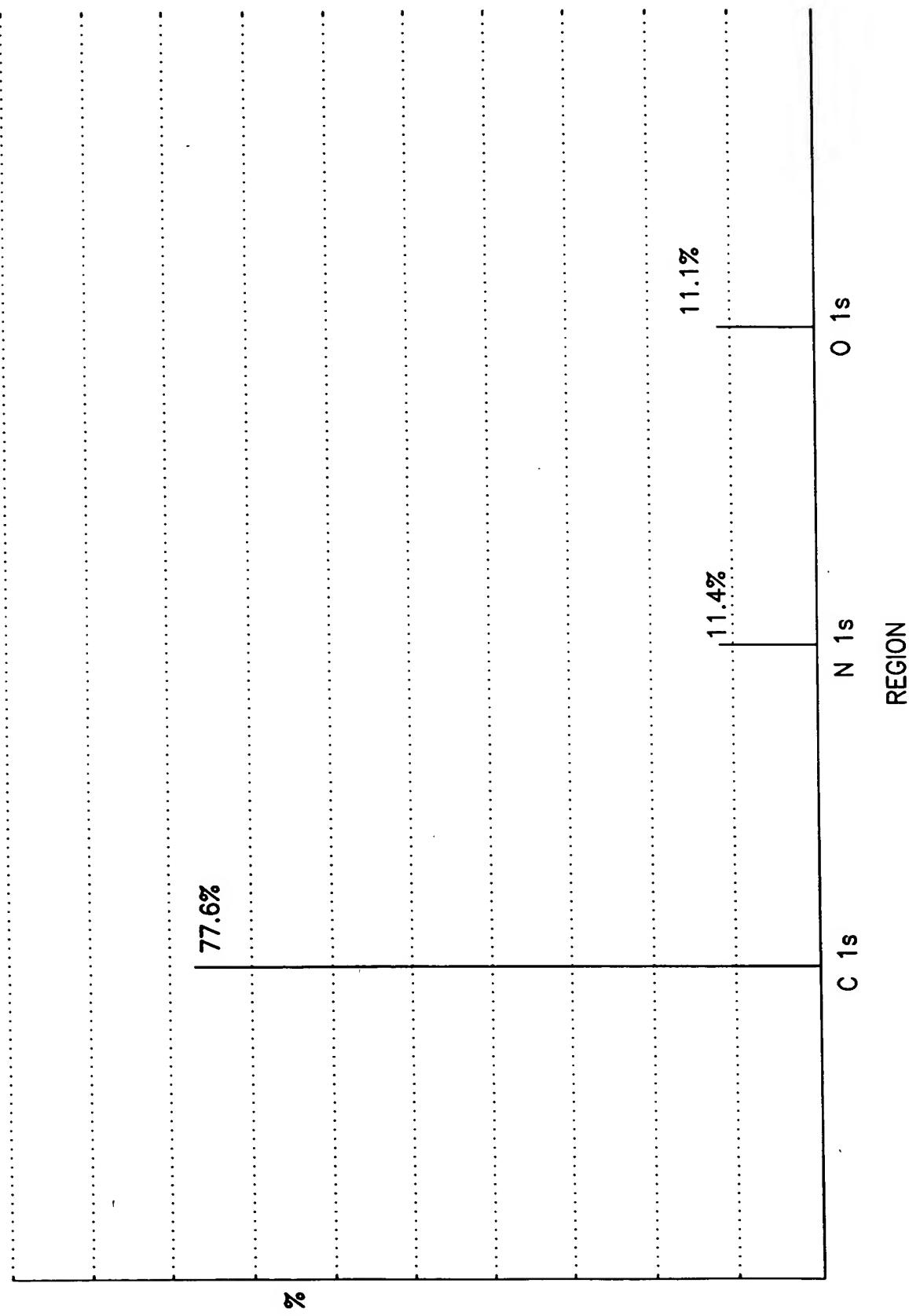


FIG. 10 ESCA 01s MULTIPLEX FOR AS-SPIN SAMPLE 6B

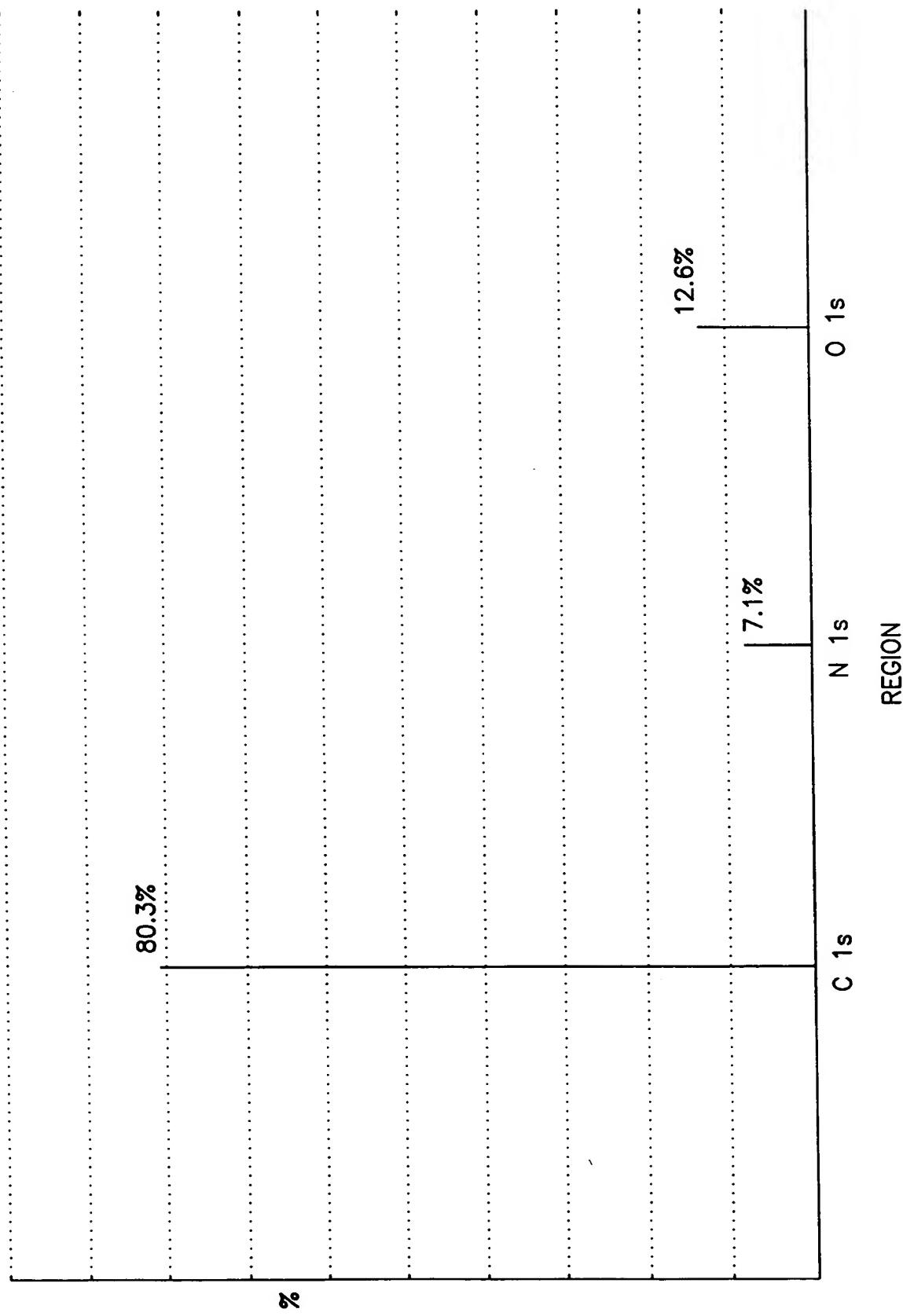


FIG. 11 ESCA 01s MULTIPLEX FOR HEAT-TREATED SAMPLE 6B

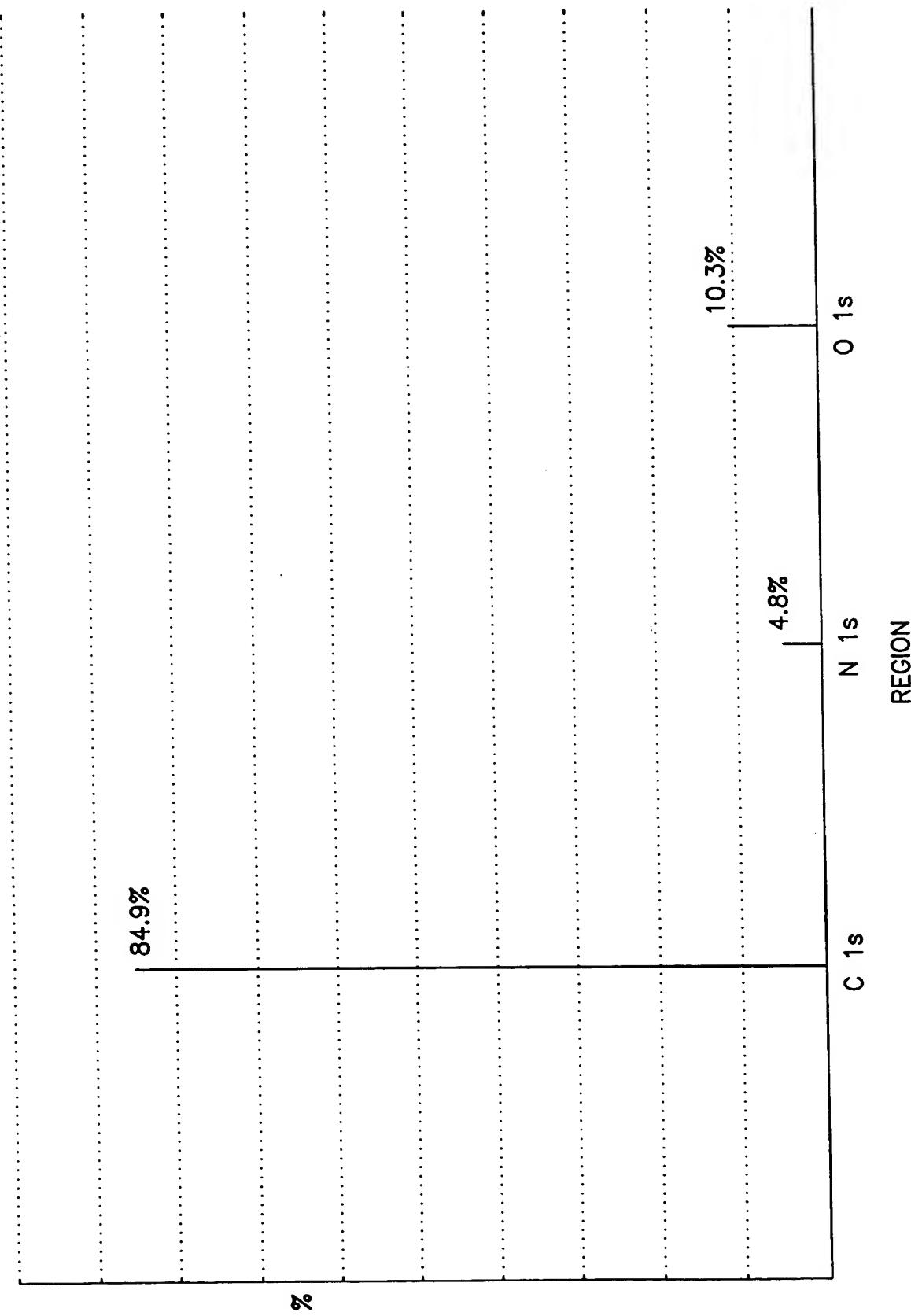


FIG. 12

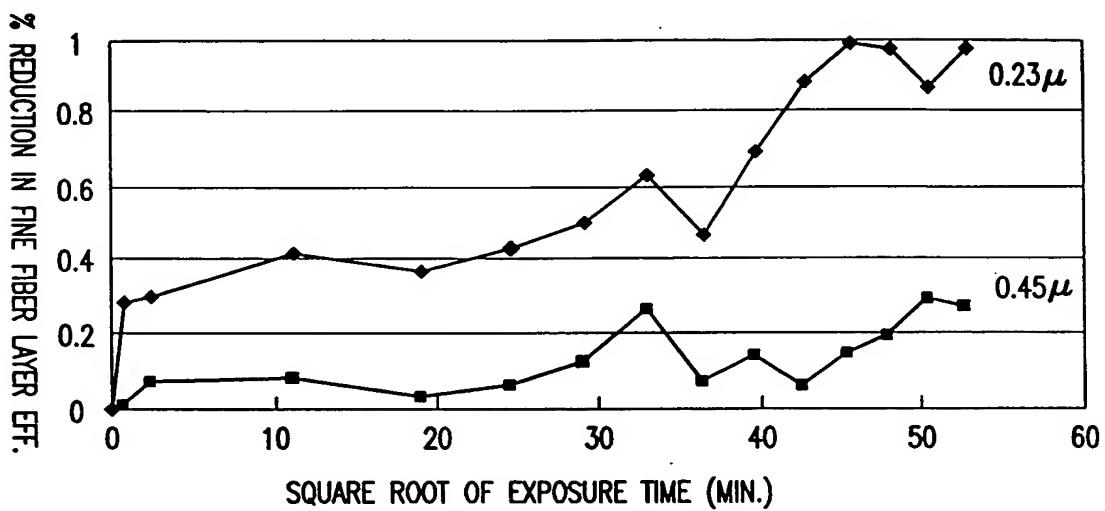


FIG. 13

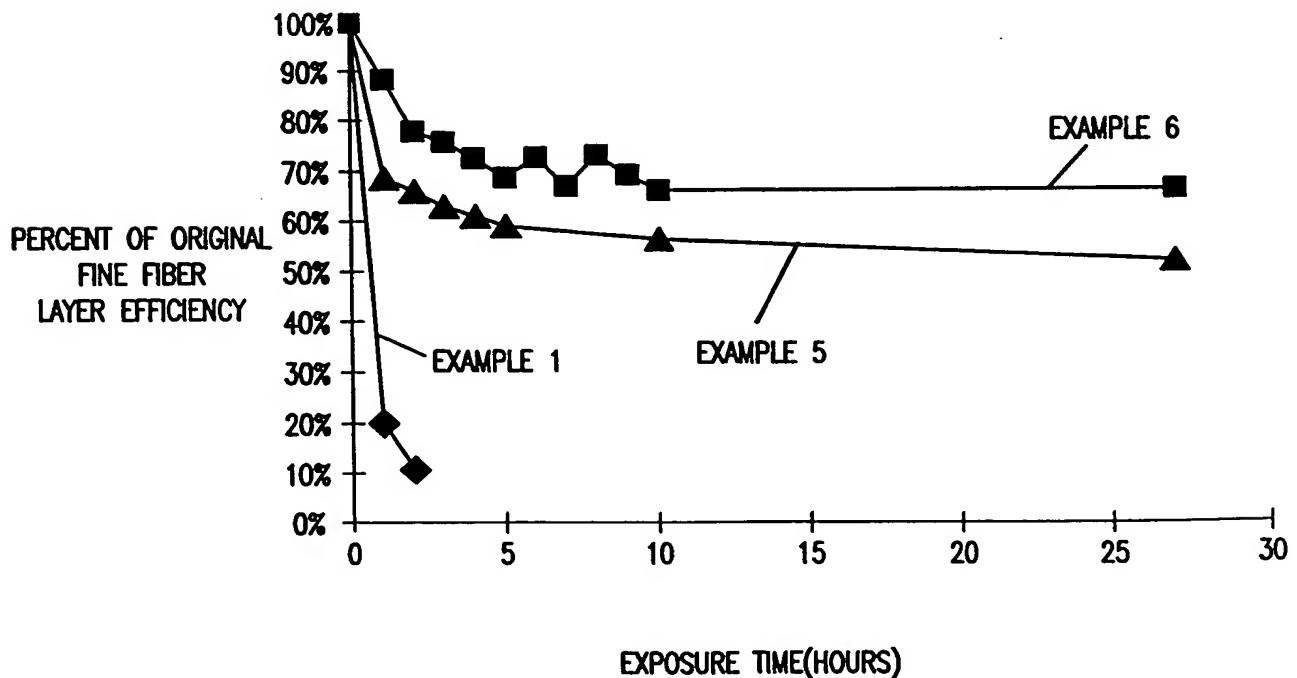


FIG. 14

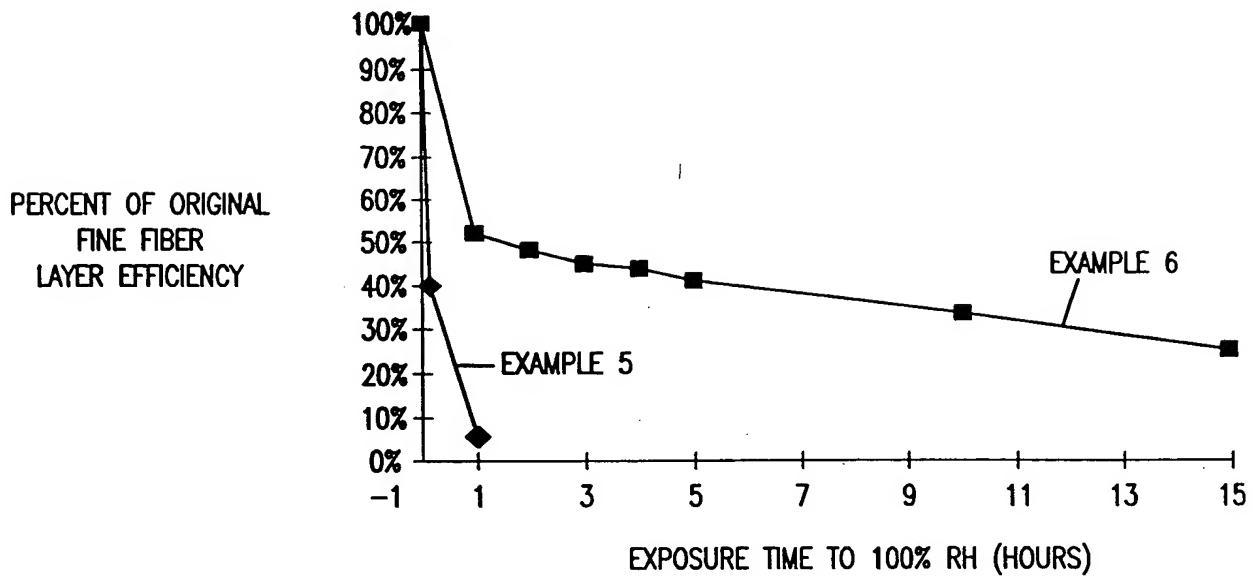


FIG. 15

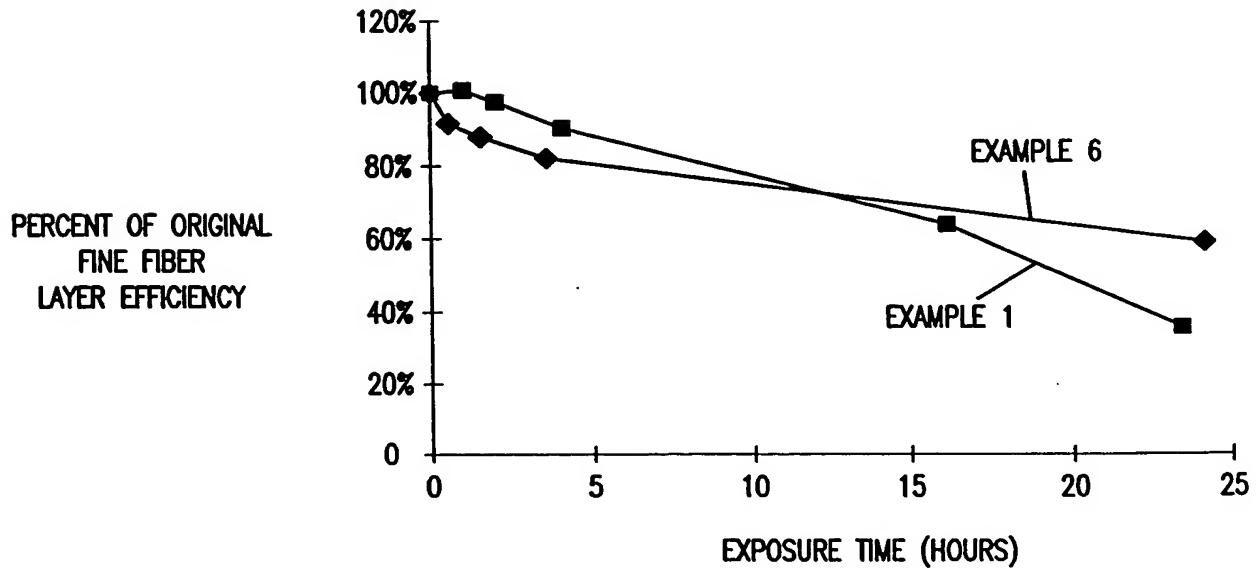
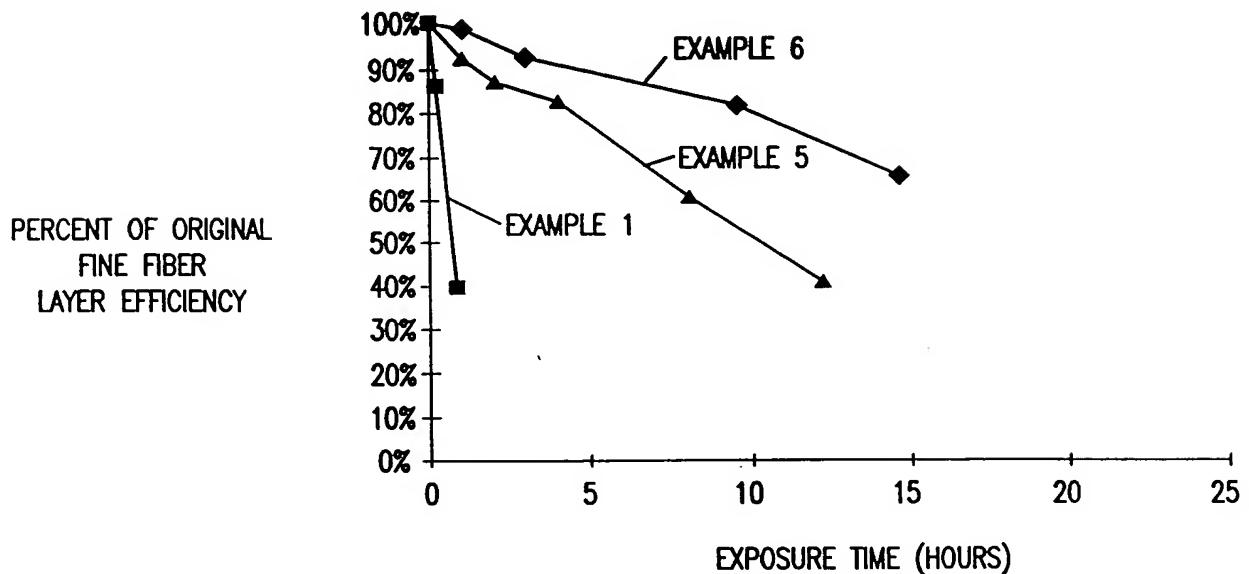
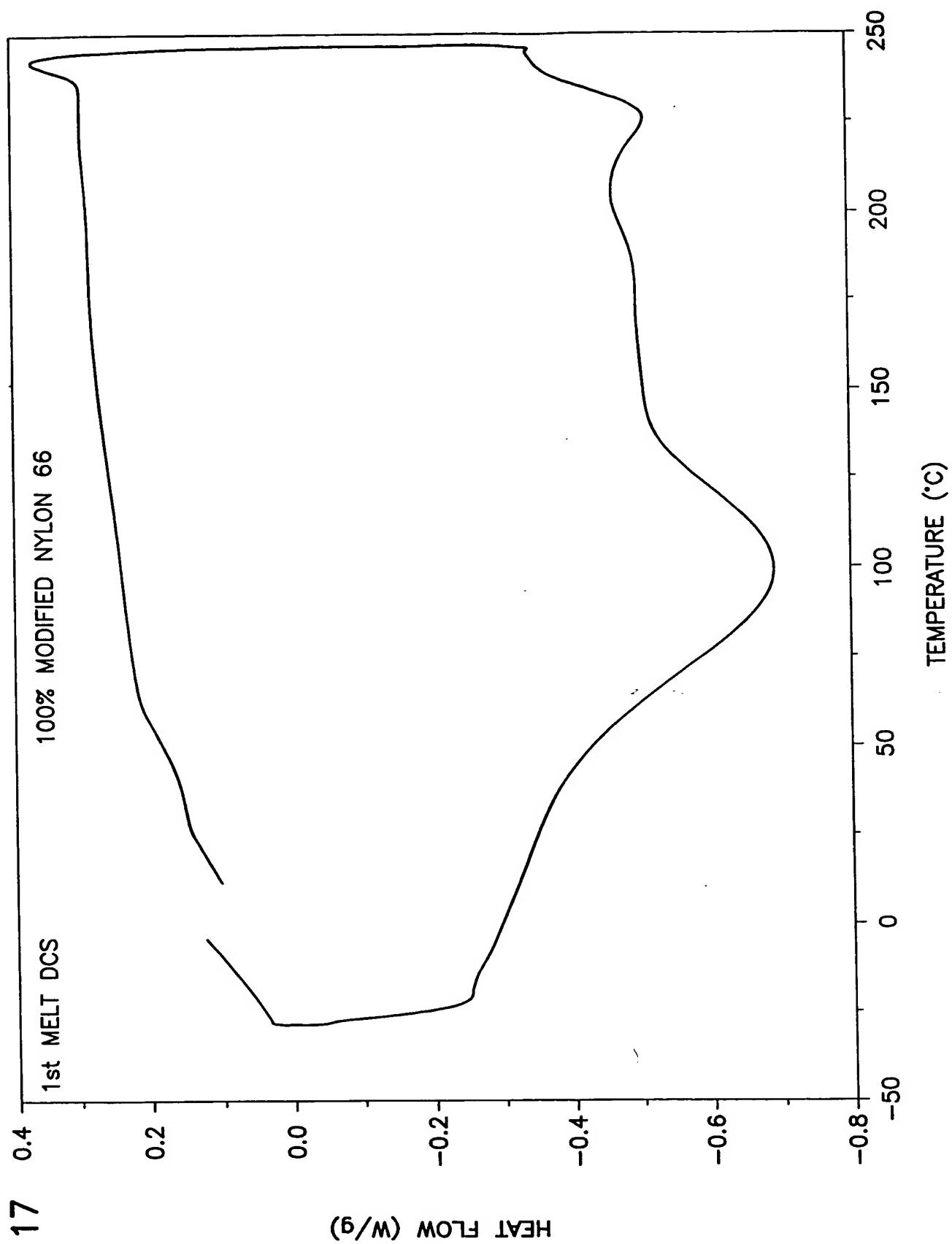


FIG. 16





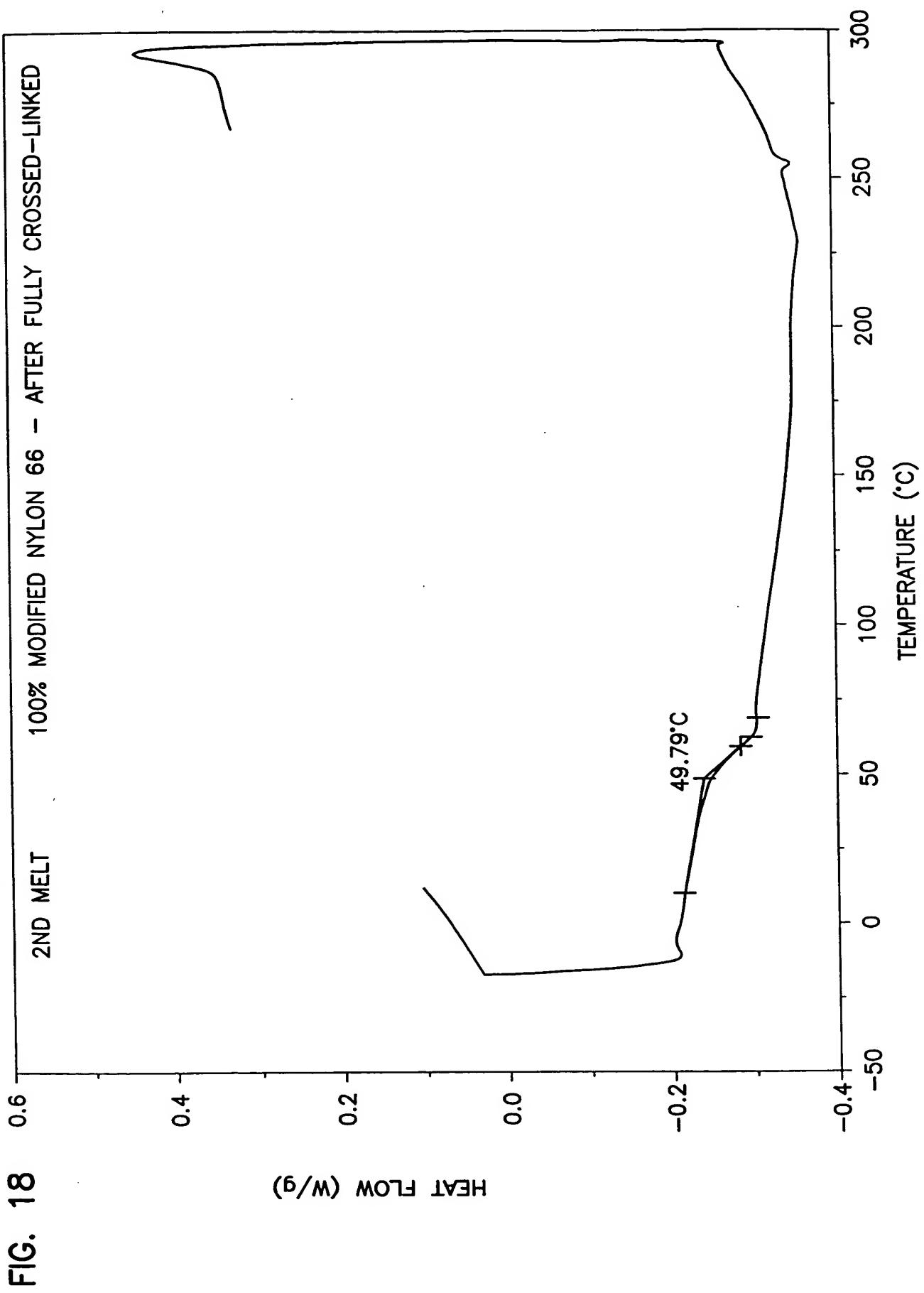


FIG. 19 DSC MODIFIED NYLON 66: 30% CO-POLANIRDE

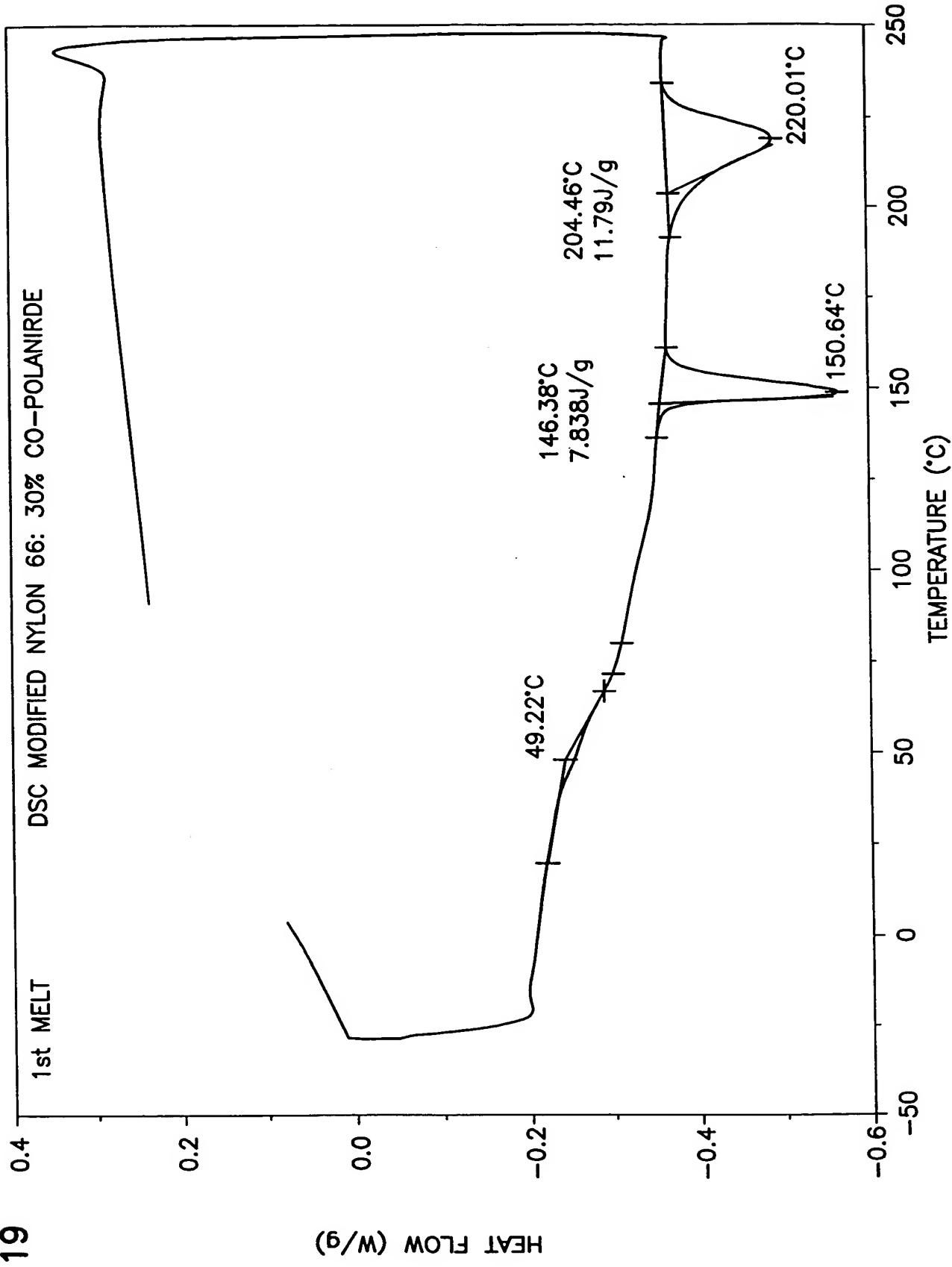


FIG. 20

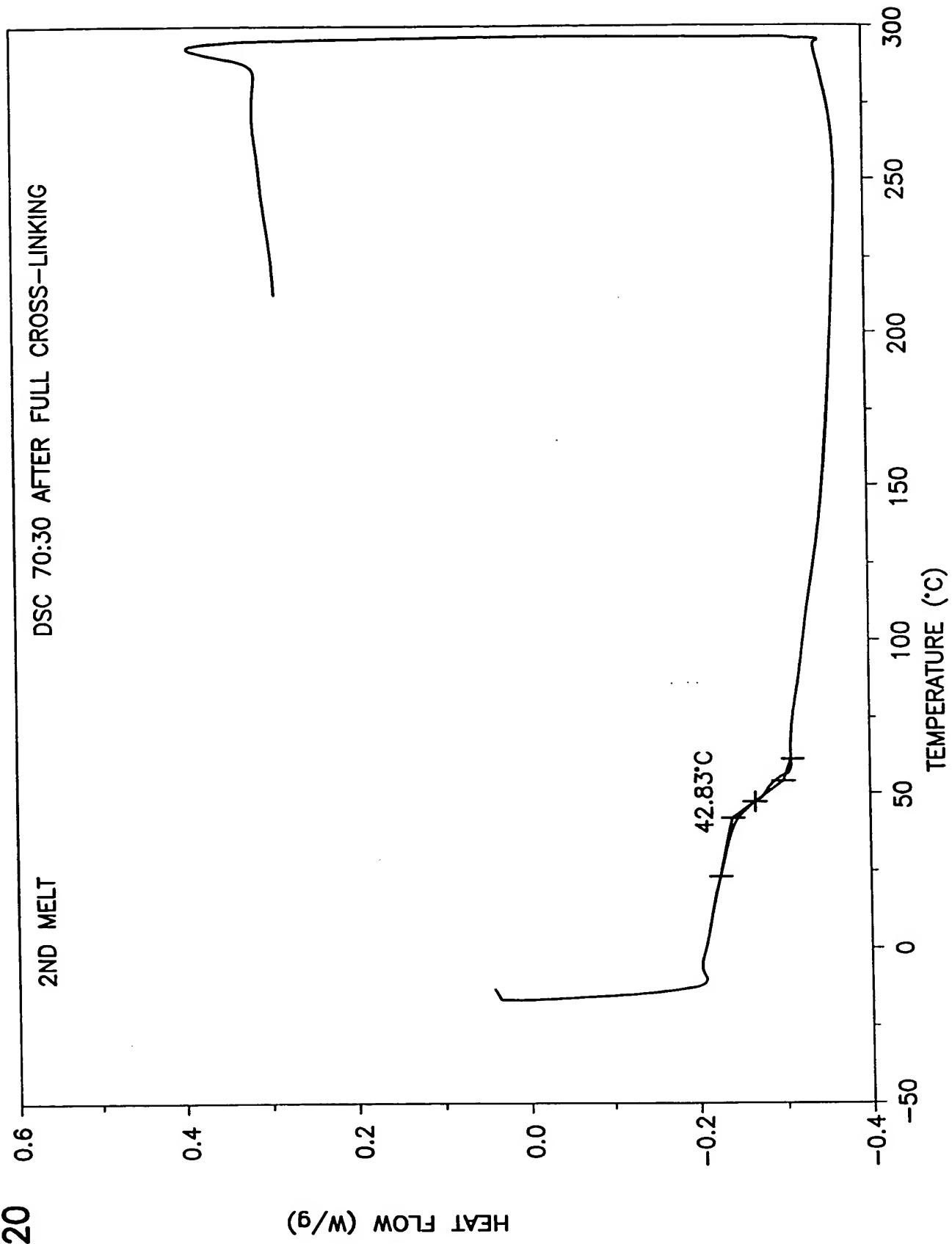
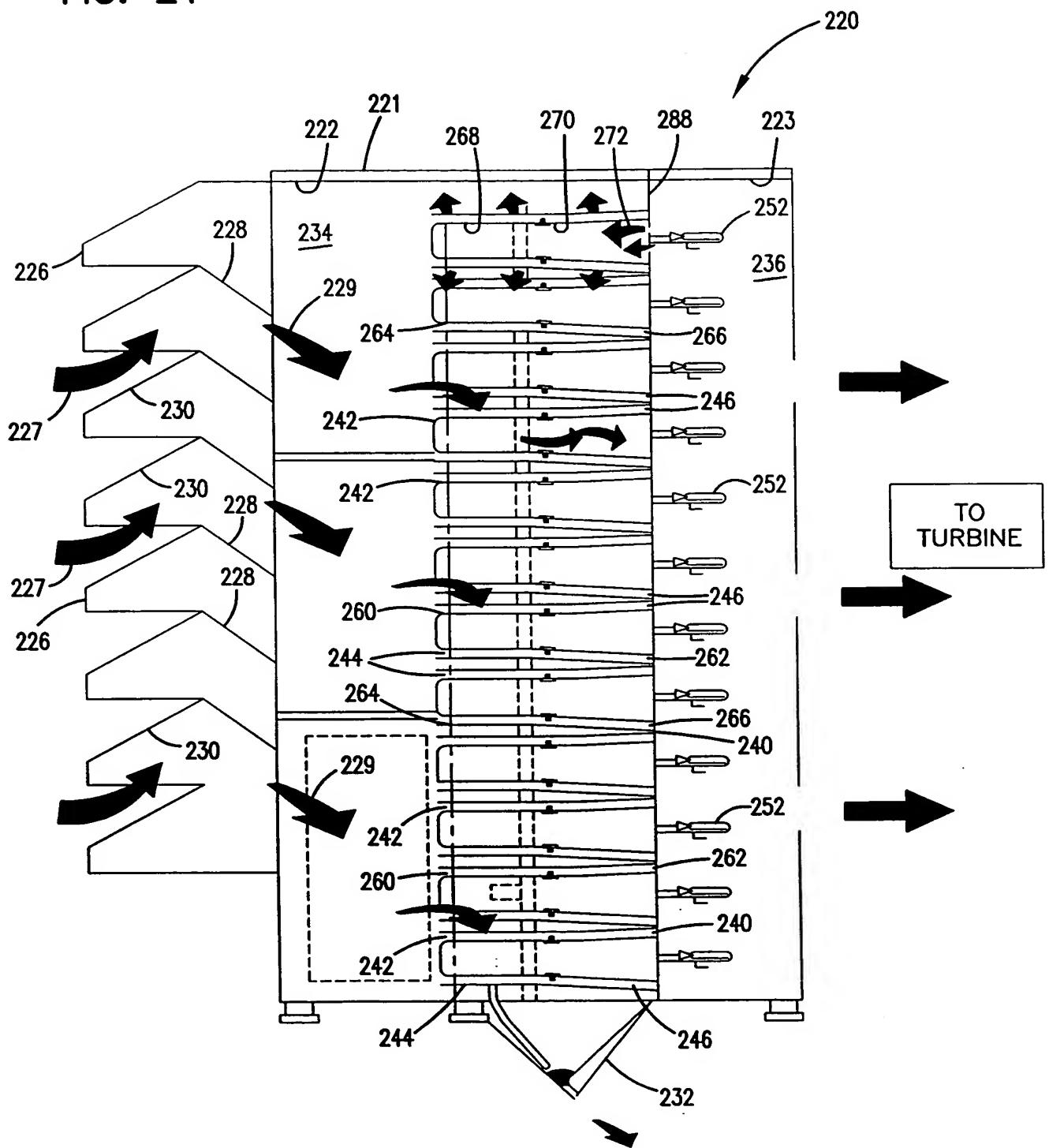


FIG. 21



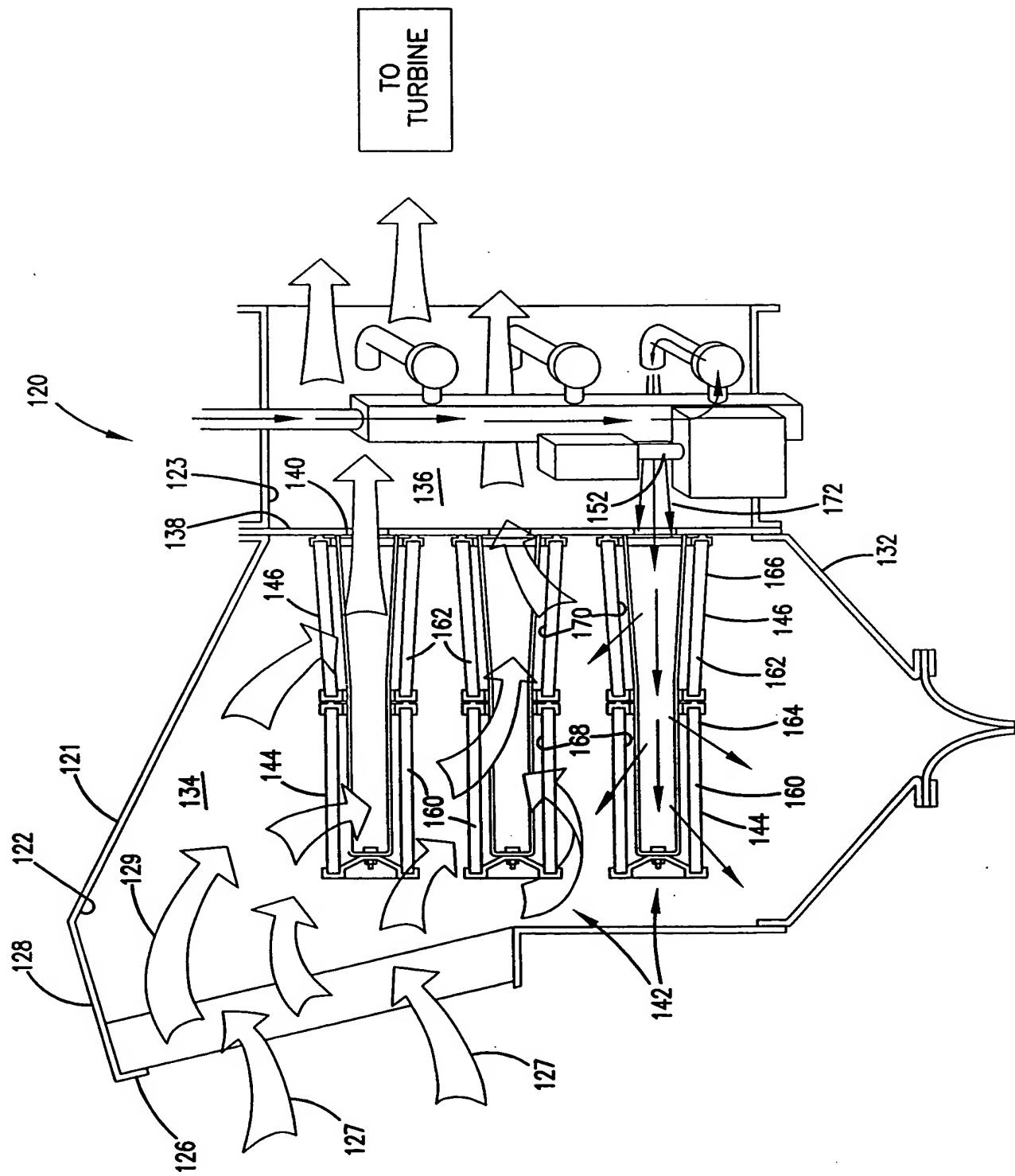


FIG. 22